

Synonym

TNFRSF12A,FGF-inducible 14,FN14,TweakR,CD266

Source

Human TWEAK R, Fc Tag(TNA-H526a) is expressed from human 293 cells (HEK293). It contains AA Glu 28 - Trp 79 (Accession # [AAH02718](#)).

Molecular Characterization

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Fc(Thr 106 - Lys 330)<br>P01857 | TWEAK R(Glu 28 - Trp 79)<br>AAH02718 |
|---------------------------------|--------------------------------------|

This protein carries a human IgG1 Fc tag at the N-terminus.

The protein has a calculated MW of 32.5 kDa. The protein migrates as 38-40 kDa under reducing (R) condition, and 65-80 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under non-reducing (NR) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH7.5 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

Storage

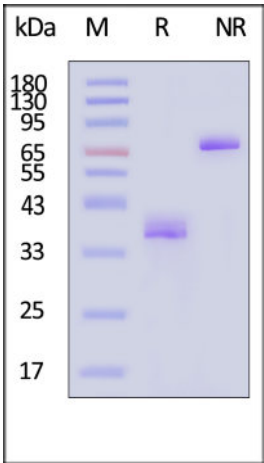
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- 20°C to -70°C for 12 months in lyophilized state;
- 70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE

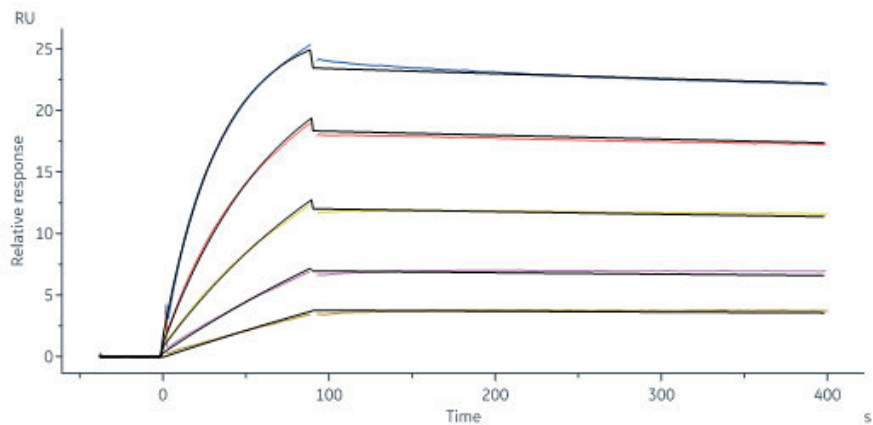


Human TWEAK R, Fc Tag on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-SPR

Discounts, Gifts,  
and more!





Human TWEAK Protein, Fc Tag (Cat. No. TWK-H5263) immobilized on CM5 Chip can bind Human TWEAK R, Fc Tag (Cat. No. TNA-H526a) with an affinity constant of 42.8 pM as determined in a SPR assay (Biacore 8K) (QC tested).

Background

Tumor necrosis factor receptor superfamily member 12A (TNFRSF12A) is also known as Fibroblast growth factor-inducible immediate-early response protein 14 (FN14 or FGF-inducible 14), Tweak-receptor, CD antigen CD266. TNFRSF12A contains one TNFR-Cys repeat. TNFRSF12A is highly expressed in heart, placenta and kidney. TNFRSF12A is receptor for TNFSF12/TWEAK, and is weak inducer of apoptosis in some cell types. TNFRSF12A / FN14 promotes angiogenesis and the proliferation of endothelial cells.

